

Livestock, Dairy, and Poultry

Livestock: Record highs and lows

Livestock	Unit	Record high		Record low		Year estimates started
		Quantity	Year	Quantity	Year	
Cattle and calves	1,000 head	2,036	1944	538	1867	1867
Cattle on feed	1,000 head	200	2000	57	1931	1930
Chickens, all ¹	1,000 birds	15,512	1944	6,190	1997	1924
Cows, beef	1,000 head	239	1977	24	1925, 1933	1920
Cows, milk	1,000 head	1,080	1945	225	1867	1867
Eggs ²	Million eggs	1,697	1944	1,104	1929	1924
Hogs and pigs ¹	1,000 head	1,397	1943	512	1934	1867
Honey	1,000 pounds	11,780	1939	4,386	1980	1921
Milk	Million pounds	5,855	2001	3,941	1927	1924
Sheep	1,000 head	3,100	1867	62	1999	1867
Wool	1,000 pounds	8,424	1934	430	1998	1934

¹ December 1.

² December 1 previous year to November 30.

Cattle and Calves

The January 1, 2002, Michigan cattle herd totaled 990,000 head, up 1 percent from a year ago. The January 1 milk cow inventory, at 297,000 head, was down 3,000 head from the previous year. Milk cow replacement heifers, at 135,000, were up 5,000 head. Beef cows, at 73,000 head, were down 14 percent from last year. Beef cow replacement heifers, at 30,000 head, were down 5,000 head. Calves on hand, at 198,000 head, were up 20,000 from last year. Steer numbers, at 195,000 head, were up 5,000. Other heifers and bulls, at 45,000 and 17,000 head respectively, were

unchanged. The 2001 calf crop was 335,000 head, 10,000 less than the previous year. Cattle on full feed for slaughter totaled 190,000 head, unchanged from last year. Michigan has 15,500 operations with cattle, down 500 from a year ago.

The January 1 Michigan cattle and calf inventory was valued at \$901 million, up 9 percent from January 1, 2001. Cash receipts from cattle and calf marketings totaled \$228 million, while total liveweight marketed was 377 million pounds.

Cattle and calves: Number of operations by size group, 1997-2001 ¹

Size group by head	Year				
	1997	1998	1999	2000	2001
1-49 head	11,500	11,000	11,200	11,200	10,700
50-99 head	2,800	2,280	2,170	2,200	2,200
100-499 head	3,000	2,500	2,400	2,350	2,350
500-999 head	160	160	170	190	180
1000 + head	40	60	60	60	70
Total	17,500	16,000	16,000	16,000	15,500

¹ An operation is any place having one or more head of cattle on hand at any time during the year.

Cattle and calves: Number on farms by class, January 1, 1998-2002

Class	1998	1999	2000	2001	2002
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
All cows that have calved	415	405	395	385	370
Beef cows	115	105	95	85	73
Milk cows	300	300	300	300	297
Heifers, 500 pounds and over	210	222	205	210	210
Beef cow replacement	30	32	30	35	30
Milk cow replacement	140	145	125	130	135
Other	40	45	50	45	45
Steers, 500 pounds and over	195	195	200	190	195
Bulls, 500 pounds and over	20	18	18	17	17
Calves, under 500 pounds	210	210	192	178	198
All cattle and calves	1,050	1,050	1,010	980	990

Cattle and calves: Production and income, 1997-2001

Year	Production ¹	Marketings ²	Average price per cwt		Value of production	Cash receipts ⁴	Value of home consumption	Gross income
			All beef ³	Calves				
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1997	386,581	453,480	50.80	54.00	197,154	230,906	7,913	238,819
1998	385,229	411,250	47.70	51.70	183,321	196,656	7,465	204,121
1999	405,770	461,250	50.50	68.90	200,427	235,829	8,067	243,896
2000	407,661	446,600	56.00	102.00	220,474	255,892	9,183	265,075
2001	353,634	376,750	58.80	109.00	204,736	227,930	7,467	235,397

¹ Adjustments made for changes in inventory and for inshipments.

² Excludes custom slaughter for use on farms where produced and inter-farm sales within the State.

³ Combined price for "Cows" and "Steers and Heifers".

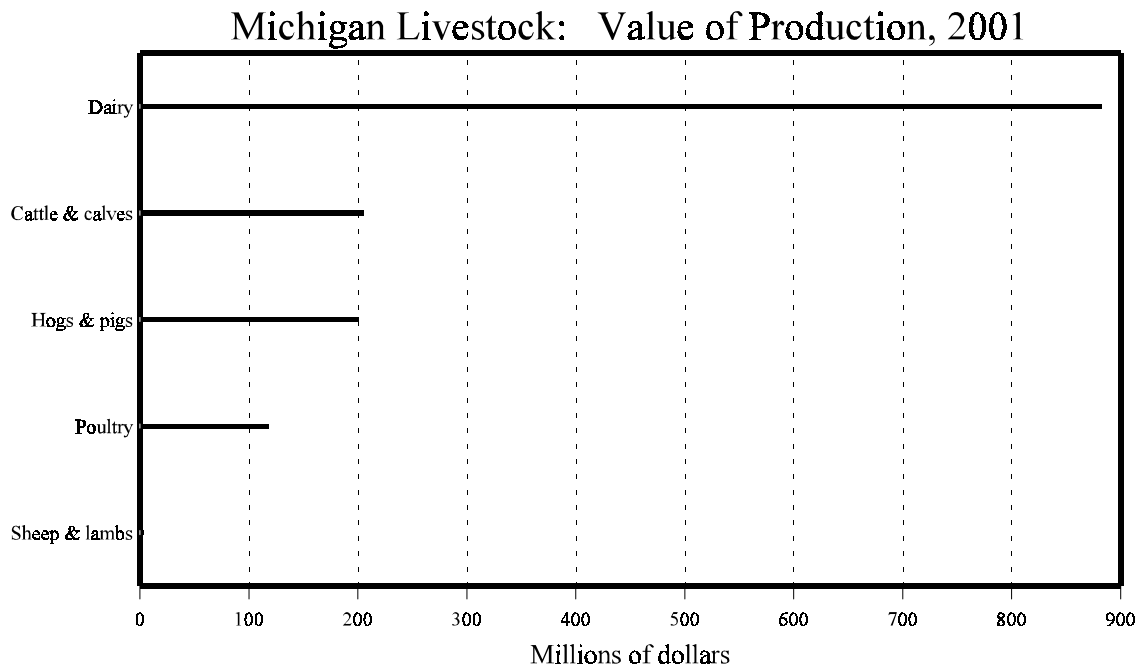
⁴ Receipts from marketings and sale of farm slaughter.

Cattle and calves: Balance sheet, 1997-2001

Year	All cattle and calves on hand January 1	Calf crop	Inshipments	Marketings ¹		Farm slaughter cattle and calves ²	Deaths		All cattle and calves on hand following January 1
				Cattle	Calves		Cattle	Calves	
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
1997	1,100	385	70	363	53	5	25	59	1,050
1998	1,050	365	65	308	37	5	25	55	1,050
1999	1,050	355	70	338	47	5	25	50	1,010
2000	1,010	345	55	318	38	5	22	47	980
2001	980	335	50	266	36	4	24	45	990

¹ Includes custom slaughter and state outshipments, but excludes inter-farm sales within the State.

² Excludes custom slaughter for farmers at commercial establishments.



Poultry

The total value of poultry production in Michigan from eggs, turkeys, and other chickens (primarily culled layers) during 2001 was \$117.89 million, 21 percent more than a year earlier. The value of egg production totaled \$61.06 million, up 8 percent from 2000. Egg production totaled 1.677 billion eggs, up 4 percent from last year. The market egg price averaged 44 cents per dozen, up 4 percent from 2000. The value of turkey production during 2001

was \$56.70 million, up 40 percent. The total pounds of turkey produced was 162 million, up 36 percent. The average price per pound was 35 cents, up 1 cent from last year. Other chicken production, at 3.66 million birds, was up 13 percent. Other chicken production was valued at \$128,000, down 28 percent from 2000.

Chickens: Layers on hand, December 1, 1997-2001

Class	1997	1998	1999	2000	2001
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
Layers, 1 year old and older	2,343	3,310	2,174	3,480	4,491
Layers, 20 weeks old but less than 1 year	2,817	2,441	4,013	2,825	2,243
Pullets, 13-20 weeks old	390	286	537	569	285
Pullets, less than 13 weeks	630	704	1,060	721	985
Other chickens	10	3	3	1	1
All chickens (excluding broilers)	6,190	6,744	7,787	7,596	8,005

Turkeys: Production and value, 1999-2001 ¹

Year	Number raised ²	Pounds produced	Price per pound ³	Value of production
	<i>Thousands</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>
1999	2,700	85,590	41.1	35,092
2000	3,500	119,000	34.0	40,460
2001	4,500	162,000	35.0	56,700

All eggs: Production and value, 1997-2001

Year	Eggs produced	Price per dozen	Value of production
	<i>Million</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1997	1,327	0.560	61,927
1998	1,395	0.496	57,639
1999	1,533	0.420	53,655
2000	1,617	0.419	56,464
2001	1,677	0.437	61,063

¹ December 1 previous year through November 30.

² Based on turkeys placed Sep 1 through Aug 31. Excludes young turkeys lost.

³ Equivalent live weight returns to producers.

All egg production, by month, 1997-2001

Month	1997	1998	1999	2000	2001
	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>
December	115	115	132	140	142
January	110	111	130	134	139
February	100	102	115	122	127
March	112	120	129	143	149
April	110	110	122	135	144
May	109	111	121	130	142
June	105	111	117	131	139
July	111	118	130	142	141
August	114	124	137	137	133
September	113	120	129	131	129
October	117	126	134	136	143
November	111	125	136	135	148
Total ¹	1,327	1,395	1,533	1,617	1,677

¹ Sum of months may not add to total due to rounding.

All layers: Average number on hand during the month, 1997-2001

Month	1997	1998	1999	2000	2001
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
December	5,016	5,196	5,763	6,206	6,155
January	5,021	5,058	5,770	6,178	6,114
February	5,115	5,098	5,898	6,271	6,315
March	5,136	5,282	5,923	6,484	6,700
April	5,089	5,202	5,656	6,321	6,802
May	5,024	5,128	5,659	6,136	6,643
June	5,046	5,097	5,799	6,325	6,537
July	4,980	5,291	5,863	6,379	6,370
August	5,010	5,541	5,827	6,168	6,369
September	5,086	5,586	5,847	6,073	6,473
October	5,150	5,621	6,089	6,110	6,567
November	5,210	5,704	6,189	6,209	6,659
Annual ¹	5,073	5,318	5,856	6,238	6,475

¹ December 1 previous year through November 30.

Hogs and Pigs

Michigan hog production totaled 488 million pounds in 2001, up 5 percent from 2000. Based on the December 1, 2001 inventory of 960,000 hogs and pigs, Michigan ranked 13th in the nation in terms of inventory.

Breeding inventory accounted for 11.5 percent of the total inventory, while market hogs made up the remaining 88.5 percent. Historically, Cass, Allegan, Ottawa, Branch and Huron have been

the top five hog producing counties.

The annual average price for all hogs was \$41.70 per cwt for 2001, compared with the 2000 average price of \$40.70 per cwt.

Marketings of all hogs and pigs totaled 496.8 million pounds in 2001, up 3 percent from 2000. Cash receipts increased 5 percent from the previous year to \$211 million.

Hogs and pigs: Number of operations, by size group, 1997-2001 ¹

Year	Operations						
	1-99	100-499	500-999	1,000-1,999	2,000-4,999	5,000+	Total
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1997	2,050	510	180	130	100	30	3,000
1998	1,900	500	100	150	120	30	2,800
1999	1,200	500	100	130	130	40	2,100
2000	1,700	390	110	140	120	40	2,500
2001	2,200	430	90	110	130	40	3,000

¹ An operation is any place having one or more head on hand at any time during the year.

Hogs and pigs: Sows farrowing and pig crop, 1997-2002

Year	December-February ¹			March-May		
	Sows farrowing	Pigs per litter	Pig crop	Sows farrowing	Pigs per litter	Pig crop
	<i>1,000 head</i>	<i>head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>head</i>	<i>1,000 head</i>
1998	40	8.8	352	53	8.9	472
1999	37	9.0	333	55	8.9	490
2000	44	8.8	387	50	9.0	450
2001	46	8.8	403	50	8.9	445
2002	50	9.0	450	50	8.9	443
	June-August			September-November		
1997	54	8.7	470	48	8.7	418
1998	52	8.9	463	52	8.5	442
1999	51	9.0	459	49	9.0	441
2000	50	8.9	445	48	9.1	434
2001	52	9.1	473	46	9.2	421

¹ December of previous year.

Hogs and pigs: Inventory, 1998-2002

Month and year	Market hogs and pigs					Breeding stock	Total hogs and pigs
	Under 60 pounds	60-119 pounds	120-179 pounds	180 lbs and over	Total market		
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
March 1							
1998	290	220	195	165	870	130	1,000
1999	280	225	190	185	880	110	990
2000	295	215	170	160	840	120	960
2001	310	185	160	125	780	120	900
2002	310	215	165	150	840	120	960
June 1							
1998	450	220	190	140	1,000	130	1,130
1999	430	220	200	130	980	120	1,100
2000	390	200	160	130	880	110	990
2001	315	215	155	125	810	110	920
2002	310	195	155	140	800	110	910
September 1							
1998	300	250	195	205	950	120	1,070
1999	310	260	190	160	920	110	1,030
2000	360	230	180	140	910	110	1,020
2001	330	225	175	130	860	110	970
December 1							
1998	340	270	180	210	1,000	120	1,120
1999	330	205	170	155	860	120	980
2000	320	200	170	150	840	110	950
2001	315	205	170	160	850	110	960

Hogs and pigs: Production and income, 1997-2001

Year	Production ¹	Marketings ²	Average price per cwt	Value of production	Cash receipts ³	Value of home consumption	Gross income
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1997	396,899	401,325	53.10	207,562	213,722	1,495	215,217
1998	402,708	403,550	33.90	132,639	138,347	1,393	139,740
1999	466,637	494,787	29.80	136,678	149,937	1,229	151,166
2000	464,577	483,775	40.70	184,575	200,485	1,662	202,147
2001	488,320	496,775	41.70	199,602	211,337	1,695	213,032

¹ Adjustments made for changes in inventory and for inshipments.

² Excludes custom slaughter for use on farms where produced and inter-farm sales within the state.

³ Receipts from marketing and sales of farm slaughter. Includes allowance for higher average price of outshipments of feeder pigs.

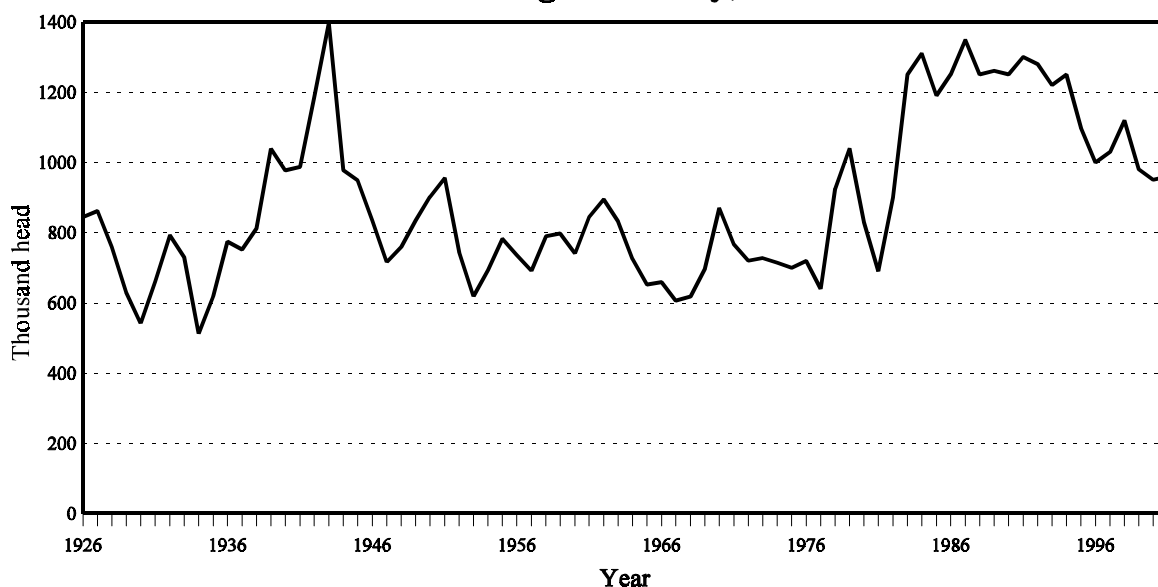
Hogs and pigs: Balance sheet, 1997-2001

Year	Beginning inventory	Dec-Nov pig crop	Inshipments	Marketings ¹	Farm slaughter ²	Deaths	Number on hand December 1
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
1997	1,000	1,686	85	1,663	3	75	1,030
1998	1,030	1,729	125	1,683	6	75	1,120
1999	1,120	1,723	225	1,999	4	85	980
2000	980	1,716	275	1,937	4	80	950
2001	950	1,731	280	1,919	4	78	960

¹ Includes custom slaughter and state outshipments, but excludes sales within Michigan.

² Excludes custom slaughter for farmers at commercial establishments.

December 1 Hog Inventory, 1926-2001



Honey

Honey production in Michigan during 2001 totaled 4.56 million pounds, 16 percent less than a year ago. This estimate included honey from producers with 5 or more colonies. Michigan ranked 12th in honey production in 2001 compared to 9th in 2000. There were 76,000 colonies in production during 2001, up 4,000 colonies from 2000. Yield per colony averaged 60 pounds, down 15 pounds from 75 pounds in 2000.

Michigan honey prices averaged 78 cents per pound, up 18 cents from last year. Value of production totaled \$3.56 million, up 10 percent from 2000. Honey stocks on hand for sale, as of December 15, totaled 2.83 million pounds, down 5 percent from 2000.

Honey: Production and value, 1997-2001 ¹

Year	Honey producing colonies	Yield per colony	Production	Price per pound	Value of production	Stocks Dec 15 ²
	<i>Thousands</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>
1997	85	70	5,950	77	4,582	3,273
1998	80	85	6,800	66	4,488	3,672
1999	73	85	6,205	66	4,095	3,475
2000	72	75	5,400	60	3,240	2,970
2001	76	60	4,560	78	3,557	2,827

¹ Includes only producers with 5 or more colonies.

² Stocks held by producers.

Dairy

Milk production in Michigan during 2001 was 5,855 million pounds, up 2.6 percent from 2000. Michigan ranked 7th nationally in milk production in 2001, accounting for 3.5 percent of U.S. production.

The annual average number of milk cows on Michigan farms during 2001 was 303,000 head, up 3,000 from the previous year. The number of operations with milk cows fell to 3,300 from 3,500

in 2000. Milk production per cow was 19,323 pounds in 2001, compared with 19,017 pounds during 2000. The average butterfat content was 3.63 percent compared with 3.66 percent in 2000.

Milk prices during the year averaged \$15.20 per cwt, up \$2.30 from the previous year. Cash receipts from milk sales totaled \$882 million, up 12.1 percent from 2000. Milk continued as the top ranked Michigan commodity in cash receipts.

Milk: Production, utilization, marketings, and value, 1997-2001

Item	Unit	1997	1998	1999	2000	2001
		Production				
Production						
Total milk produced on farms	Million pounds	5,410	5,365	5,455	5,705	5,855
Milkfat produced	Million pounds	197.5	194.7	201.3	208.8	212.5
Milkfat	Percent	3.65	3.63	3.69	3.66	3.63
Utilization						
Milk used where produced						
Fed to calves	Million pounds	41	40	37	45	50
Used for milk, cream, and butter	Million pounds	4	5	3	5	5
Milk marketed by producers	Million pounds	5,365	5,320	5,415	5,655	5,800
Average return per 100 pounds of milk	Dollars	13.60	15.30	14.80	12.90	15.20
Average return per pound milkfat	Dollars	3.74	4.21	4.01	3.52	4.19
Fluid grade	Percent	99	99	99	99	99
Total cash receipts	1,000 dollars	732,135	813,960	801,420	729,495	881,600
Value						
Value of milk used where produced ¹	1,000 dollars	6,141	6,885	5,920	6,450	8,360
Total value of milk produced	1,000 dollars	738,276	820,845	807,340	735,945	889,960

¹ Includes value of milk fed to calves and milk used by farm households.

Milk cows: Number of operations, by size group, 1997-2001 ¹

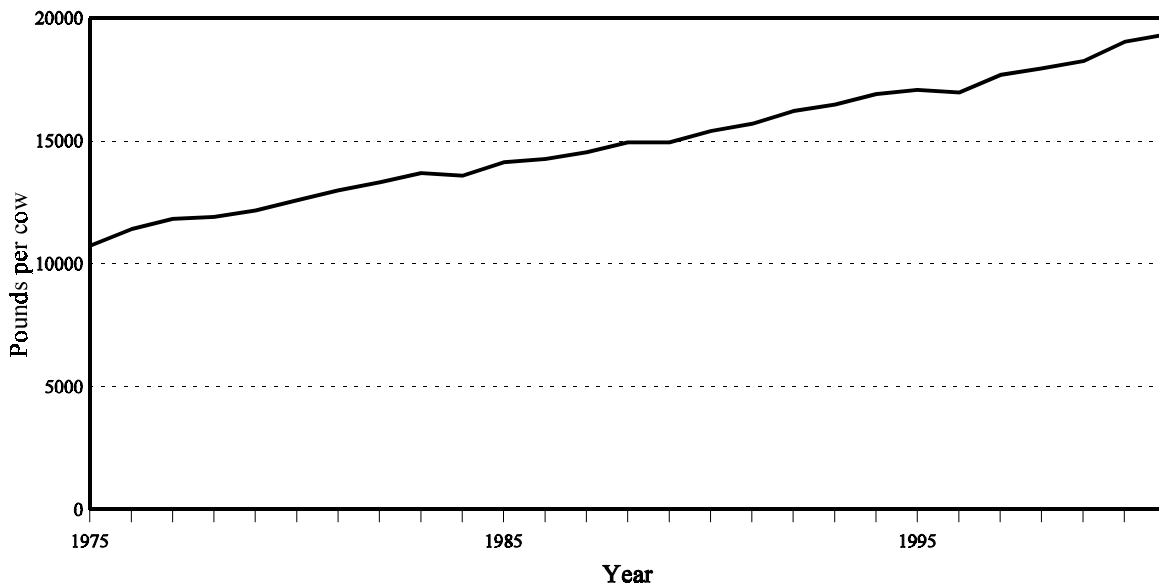
Size group by head	1997	1998	1999	2000	2001
	<i>Number of operations</i>	<i>Number of operations</i>	<i>Number of operations</i>	<i>Number of operations</i>	<i>Number of operations</i>
1-29	1,100	950	1,000	1,000	1,050
30-49	900	900	700	630	550
50-99	1,100	1,100	1,000	900	800
100-199	850	810	750	700	620
200-499	215	205	200	215	215
500+	35	35	50	55	65
Total	4,200	4,000	3,700	3,500	3,300

¹ An operation is any place having one or more milk cows on hand at any time during the year.

Milk cows: Number by month, 1997-2001

Month	1997	1998	1999	2000	2001
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
January	311	297	291	298	303
February	310	296	292	296	303
March	306	297	296	296	304
April	306	298	298	299	304
May	308	299	303	301	304
June	310	301	304	304	305
July	309	305	306	302	303
August	308	302	302	302	303
September	304	299	299	300	303
October	303	297	299	302	302
November	301	297	298	299	301
December	301	299	297	300	298
Annual	306	299	299	300	303

Annual Milk per Cow 1974-2001



Milk production: Total by month, 1997-2001

Month	1997	1998	1999	2000	2001
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
January	460	441	442	474	482
February	425	406	410	447	447
March	465	454	463	485	505
April	454	446	454	481	492
May	474	468	486	494	517
June	462	456	465	485	505
July	460	471	474	489	498
August	462	459	462	485	489
September	435	438	444	455	476
October	444	441	454	477	483
November	426	431	441	457	474
December	443	454	460	476	487
Annual	5,410	5,365	5,455	5,705	5,855

Milk: Production per cow, by month, 1997-2001

Month	1997	1998	1999	2000	2001
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
January	1,480	1,485	1,520	1,590	1,590
February	1,370	1,370	1,405	1,510	1,475
March	1,520	1,530	1,565	1,640	1,660
April	1,485	1,495	1,525	1,610	1,620
May	1,540	1,565	1,605	1,640	1,700
June	1,490	1,515	1,530	1,595	1,655
July	1,490	1,545	1,550	1,620	1,645
August	1,500	1,520	1,530	1,605	1,615
September	1,430	1,465	1,485	1,515	1,570
October	1,465	1,485	1,520	1,580	1,600
November	1,415	1,450	1,480	1,530	1,575
December	1,473	1,520	1,550	1,585	1,635
Annual	17,680	17,943	18,244	19,017	19,323

Dairy products: Annual production totals, 1997-2001

Product	1997	1998	1999	2000	2001
	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>
Michigan					
Ice cream, fullfat, total	27,973	24,198	19,572	22,781	22,494
Ice cream, lowfat, total	19,131	18,583	17,812	16,079	
Sherbet, total	1,800	2,016	1,369	1,696	
Ice cream mix, fullfat	13,757	12,161	10,317	11,678	11,599
Ice cream mix, lowfat	8,040	8,729	8,117	8,220	8,263
Sherbet mix	1,025	1,019	722	1,010	
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
East North Central Region ¹					
Cheese, total	2,469.6	2,484.4	2,538.5	2,606.4	2,545.1
Cheese, American type ²	993.6	982.9	989.0	952.2	876.3
Cheese, Italian	1,008.7	1,025.4	1,031.9	1,101.1	1,123.7
Cottage cheese, curd	109,125	115,604	110,954	112,892	111,863
Cottage cheese, creamed	112,389	110,229	96,311	102,329	102,140
Cottage cheese, low fat	72,668	78,354	74,009	77,612	81,190
Condensed skim milk, unsweetened, bulk	128.0	119.2	146.6	161.1	122.6
Dried milk, nonfat for human food	71.4	57.0	58.4	57.2	48.5
Butter	383.2	373.3	349.8	327.2	368.2
Water & juice ices	7,649	8,136	7,521	8,098	8,769
Yogurt, plain and flavored	550.5	592.9	624.3	720.7	818.9

¹ Illinois, Indiana, Michigan, Ohio, and Wisconsin.

² Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

Dairy products: Ice cream, fullfat, total, by month, 1997-2001

Month	1997	1998	1999	2000	2001
	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>
January	1,905	1,644	1,010	1,744	1,472
February	1,944	1,765	1,317	1,724	1,543
March	2,290	2,007	1,652	1,967	1,752
April	2,448	2,271	1,933	1,907	2,352
May	2,814	2,319	1,791	1,771	2,072
June	2,743	2,807	2,283	1,945	2,071
July	2,734	2,643	2,194	1,999	2,397
August	2,611	2,502	2,164	2,084	2,270
September	2,413	2,159	1,626	1,793	1,977
October	2,116	1,591	1,314	1,791	1,840
November	2,125	1,168	990	1,637	1,318
December	1,830	1,322	1,298	1,246	1,430
Total	27,973	24,198	19,572	¹ 22,781	22,494

¹ Revised; monthly data are not revised and do not add to the total.

Mink

Mink: Farms, pelts produced and females bred to produce kits, 1998-2002

Year	1998	1999	2000	2001	2002
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Farms	13	12	12	11	(¹)
Pelts produced	46,000	51,000	42,500	54,000	(¹)
Females bred to produce kits	15,500	15,500	11,000	11,800	12,700

¹ Published in July 2003.

Sheep and Lambs

Michigan sheep operations in 2001 numbered 1,800, unchanged from 2000. All sheep and lamb inventory in Michigan on January 1, 2001 was estimated at 72,000 head, up 1 percent from a year ago. The breeding sheep inventory, at 52,000 head, was up 2 percent from the previous year. Market sheep and lambs totaled 20,000 head, unchanged from a year earlier. The 2001 Michigan lamb crop (lambs born October 1, 1999 through September 30, 2001) was 50,000 head, up 9 percent from the previous year.

Sheep and lamb value of production was \$2.8 million, up 7 percent from 2000. Cash receipts totaled \$2.4 million for 2001. All sheep and lambs were valued at \$110 per head, down \$20 from the previous year.

Sheep shorn in 2001 totaled 77,000 head. The weight per fleece was 6.2 pounds, compared with 6.4 pounds in 2000. Total wool production in Michigan was 480,000 pounds. Wool production was valued at \$58,000. The average price per pound at \$0.12., was down \$0.02.

Sheep and lambs: Number on farms by class, January 1, 1998-2002

Class	1998	1999	2000	2001	2002
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>
Breeding sheep 1 year and older					
Ewes	38	34	38	40	40
Rams	3	3	3	2	2
Replacement lambs	7	7	10	9	10
Total market sheep and lambs	24	18	17	20	20
All sheep and lambs	72	62	68	71	72

Sheep and lambs: Number of operations, 1997-2001 ¹

Year	Number
1997	1,600
1998	1,600
1999	1,700
2000	1,800
2001	1,800

¹ An operation is any place having one or more head on hand at any one time during the year.

Sheep and lambs: Lamb crop, 1997-2001

Year	Breeding ewes ¹	Lambs per 100 ewes ¹	Lamb crop
	<i>1,000 Head</i>	<i>Number</i>	<i>1,000 Head</i>
1997	50	124	62
1998	38	121	46
1999	34	132	45
2000	38	121	46
2001	40	125	50

¹ Ewes 1 year and older January 1.

Sheep and lambs: Balance sheet, 1997-2001

Year	All sheep and lambs on hand January 1	Lamb crop	Inshipments	Marketings ¹		Farm slaughter ²	Deaths		All sheep and lambs on hand following January 1
				Sheep	Lambs		Sheep	Lambs	
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>
1997	85	62	13.0	24.0	49.0	2.0	2.0	11.0	72
1998	72	46	8.0	16.0	36.0	2.0	1.0	9.0	62
1999	62	45	5.0	4.0	28.5	2.0	2.5	7.0	68
2000	68	46	2.0	7.5	26.5	2.0	3.0	6.0	71
2001	71	50	1.5	6.5	31.5	2.0	3.5	7.0	72

¹ Includes custom slaughter and state outshipments, but excludes sales within Michigan.

² Excludes custom slaughter for farmers at commercial establishments.

Sheep and lambs: Production and income, 1997-2001

Year	Production ¹	Marketings ²	Average price per cwt		Value of production	Cash receipts ³	Value of home consumption	Gross income
			Sheep	Lambs				
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1997	6,140	8,530	35.00	84.00	4,834	5,578	483	6,061
1998	4,270	5,715	32.00	69.00	2,710	3,233	397	3,630
1999	3,982	3,225	30.00	69.00	2,579	2,111	397	2,508
2000	3,848	3,250	31.00	75.00	2,654	2,197	431	2,628
2001	4,245	3,752	31.00	70.00	2,833	2,441	403	2,844

¹ Adjustments made for changes in inventory and for inshipments.

² Excludes custom slaughter for use on farms where produced and inter-farm sales within the state.

³ Receipts from marketings and sale of farm slaughter.

Sheep and lambs: Wool production and value, 1997-2001

Year	Sheep shorn	Weight per fleece	Production	Price per pound	Value of production ¹
	<i>1,000 Head</i>	<i>Pounds</i>	<i>1,000 Pounds</i>	<i>Cents</i>	<i>1,000 Dollars</i>
1997	62	7.3	450	44	198
1998	58	7.4	430	31	133
1999	66	7.0	465	14	65
2000	72	6.4	460	14	64
2001	77	6.2	480	12	58

¹ Production multiplied by marketing year average price.

Trout

Michigan's 33 commercial trout operations sold 376,000 pounds of trout in 2001. This was a decrease of 21 percent from last season. Sales were valued at \$823,000 and included sales of foodsize trout (12 inches or longer), stockers (6 to 12 inches), fingerlings (2 to 6 inches) and eggs.

Foodsize trout had sales of 330,000 pounds with an average liveweight of 1.2 pounds per fish. Foodsize sales totaled \$660,000 for an average value of \$2.00 per pound. The major sales outlets were fee fishing at 35 percent of total, 25 percent to processors, and 20 percent direct to consumers. Stocker trout sales totaled 42,000 pounds with an average liveweight of 0.4 pounds per trout. The

value of sales, at \$116,000, decreased from \$207,000 and averaged \$2.75 per pound. Direct to consumers at 33 percent accounted for the majority of sales followed by sales to other producers at 27 percent and fee fishing at 23 percent. Number of fingerlings sold was 170,000, down 32 percent from last year. The value of sales decreased to \$47,000 and averaged \$275.00 per 1,000 fish.

Losses of trout in Michigan amounted to 160,000 fish, weighing 80,000 pounds. Predators accounted for 60 percent of all fish lost.

Trout: Sales by size category, 1997-2001

Size category	Number of fish	Live weight	Sales	
			Total	Average per pound ¹
	<i>1,000</i>	<i>1,000</i>	<i>1,000 dollars</i>	<i>Dollars</i>
Foodsize (12 inches long or more):				
1997	550	540	1,255	2.32
1998	340	350	777	2.22
1999	320	352	859	2.44
2000	330	388	776	2.00
2001	275	330	660	2.00
Stocker (6-12 inches long):				
1997	220	75	160	2.13
1998	320	109	302	2.77
1999	200	65	174	2.67
2000	210	78	207	2.65
2001	110	42	116	2.75
Fingerlings (2-6 inches long):				
1997	485	13	70	5.38
1998	320	17	72	226.00
1999	310	10	80	259.00
2000	250	8	54	215.00
2001	170	4	47	275.00

¹ Average per thousand fish for fingerlings after 1997.

Trout: Number of operations, 1998-2002

Year	Operations
	<i>Number</i>
1998	42
1999	39
2000	30
2001	33
2002	33